

G. TRANSITIONING N1-1 TO OFF/DIAGNOSTIC/STANDBY FROM SECONDARY WHILE N1-2 IS PRIMARY

PCS2 1. VERIFY MDM STATES
Node 1: C&DH: MDM N1-2
PRIMARY NCS MDM Node 1

√STATE - Primary
√MDM ID - N1-2

PCS2 Node 1: C&DH: MDM N1-1
SECONDARY NCS MDM Node 1

√STATE - Secondary
√MDM ID - N1-1

<p style="text-align: center;"><u>NOTE</u></p> <p>If states are not correct, do not execute this procedure.</p> <p>√MCC</p>
--

If transitioning N1-1 to standby, go to step 2.
If transitioning N1-1 to Diagnostic or Powering N1-1 off, go to step 3.

PCS2 2. TRANSITIONING TO STANDBY STATE
Node 1: C&DH: MDM N1-1
SECONDARY NCS MDM Node 1
'MDM Major State:'

sel Commands
cmd Second_NCS_Xsitn_Stby_State **Execute**
√N1-1 MDM State - Standby

If transitioning N1-1 to Standby >>

PCS2 3. DISABLE NCS AUTO RETRY
Node 1: C&DH: MDM N1-2
PRIMARY NCS MDM Node 1
'Software Control'

sel MDM Utilities
Primary_NCS_MDM_Uilities

√Primary_NCS_Auto_Retry_Inh - X (Inhibited)

If blank (Enable)
sel Commands
cmd Primary_NCS_Inh_NCS_Retry **Execute**
√Primary_NCS_Auto_Retry_Inh - X (Inhibited)

4. TRANSITIONING N1-1 TO DIAGNOSTIC

NOTE

When MDM N1-1 is commanded to Diagnostic, the following heaters are commanded to their Default State which is Off.

1. PMA 1 Shell Heaters 1A, 3A, 4A, and 5A
2. Node 1 Shell Heaters 1A --- 9A
3. MDM N1-1 Operational Heater
4. MDM N1-2 Survival Heater

PCS2

Node 1: C&DH: MDM N1-1

SECONDARY NCS MDM Node 1

'Software Control'

sel MDM FDIR

√Second_MDM_Cmd_Xsitn_to_Dgnstc_Inh - blank (Enable)

If X (Inhibited)

'MDM Major State:'

sel Commands

cmd N1-1_MDM_Cmd_Xsitn_Dgnstc_State_Arm **Execute**

'Software Control'

sel MDM FDIR

√Second_MDM_Cmd_Xsitn_to_Dgnstc_Inh - blank (Enable)

'MDM Major State:'

sel Commands

cmd N1-1_MDM_Xsitn_Dgnstc_State **Execute**

If transitioning N1-1 to Diagnostic >>

If powering N1-1 off, go to step 5.

5. POWERING OFF N1-1 MDM

NOTE

When MDM N1-1 is unpowered, the N1-1 Survival Heater is required to maintain the MDM within temperature limits.

PCS2

Node 1: C&DH: MDM N1-2

PRIMARY NCS MDM Node 1

'N1-1 Survival'

√MDM N1-1 Surv Htr Availbty - Ena Ops

√MDM N1-1 Surv Htr Health Stat - Operational

Node 1: C&DH: MDM N1-1

SECONDARY NCS MDM Node 1

'RPCM _N1RS1_A'

sel RPC 11 (Nod1_1_MDM)

RPCM _N1RS1_A_RPC_11 Detail

√Position - CI

sel Commands

cmd Open **Execute**

√Position - Op